

ABSTRACT OF THE DISCLOSURE

A robust multipoint master-slave radio frequency system for transmitting signals digitally using combination of reinforcing techniques including: 1) hybrid spread spectrum approaches, 2) adaptive frequency and time slot management, 3) graceful degradation of signal quality, and 4) time multiplexing of peripheral, sub-peripherals and base transceiver signals. An improved method of coordinating multiple base transceivers using a distributed control, synchronization and communication approach. Such an approach is not impacted by the loss or addition of a new base transceiver and adapts to changing radio frequency conditions.